

CLAIMS

1. Closing cone for screwing screw closures onto containers, particularly bottles, with a receiving part, with a rotation-resistant pick ring coupled therewith and with a pick-up system, **characterized in that** the pick ring (5) is segmented and is provided with movable segments (17), and that an actuation system (65) is provided which cooperates with the segments (17) to create a variable inner diameter of the pick ring (5).
2. Closing cone according to claim 1, **characterized in that** the pick-up system (43) is provided with at least one spring system (45) acting on at least one of the segments (17) of the pick ring (5).
3. Closing cone according to claim 1 or 2, **characterized in that** the spring system (45) is provided with at least one spring ring (47) grasping a segment (17), and preferably all segments, of the pick ring (5).
4. Closing cone according to one of the preceding claims, **characterized in that** the pick-up system (43) is provided with at least one ball that can be subjected to a compliant force.
5. Closing cone according to one of the preceding claims, **characterized in that** the actuation system (65) is provided with a cone-taper coupling between the receiving part (3) and at least one segment (17), and preferably all segments, of the pick ring (5).
6. Closing cone according to one of the preceding claims, **characterized in that** the actuation system (65) is provided with a resetting device (71).
7. Closing cone according to one of the preceding claims, **characterized in that** on its inner surface (25) the pick ring (5) is provided with a device for increasing the holding power.
8. Closing cone according to one of the preceding claims, **characterized in that** there is provided an additional torque transfer system [friction ring (39)].